

Patent claims

1. A securing device for rear walls set in grooves of cabinet furniture exhibits at least one support element that can be placed in the angle area between the rear wall and a grooved sidewall and at least one other support element that can be placed between the rear wall and a grooved shelf and/or top board, whereby the support elements exhibit contact sides that are each at a right angle to one another and diagonal to these contact sides a throughhole for receiving a set screw or a set pin,

characterized in that

the at least two support elements (10) are integrated in one piece into the two legs (2) of a corner angle piece (1), where said legs are at a right angle to one another, whereby at least one of the support elements (10) is formed at each of the legs (2).

2. A securing device as set forth in claim 1,
characterized in that

the legs (2) of the corner angle piece (1) including the support elements (10) are as a whole designed as support members and exhibit at support bars (3, 4) that are at a right angle to one another each two outer plane strike sides (5, 6) as extended contact sides of the support elements (10), whereby the strike sides (6) of both legs (2) that are located at the same side of the corner angle piece (1) are located together in one common plane.

3. A securing device as set forth in claim 1 or 2,
characterized in that

the corner angle piece (1) at its crest area exhibits a flat region (15) toward the outside, where its legs (2) connect to one another via an interim bar (14) that runs in a sloped fashion with regard to the legs.

4. A securing device as set forth in one of the claims 1 - 3,
characterized in that

the legs (2) of the corner angle piece (1) are of the same length and in that the throughholes (12) of the support elements (10) are arranged at each of the two legs (2) at equal distances from the crest of the corner angle piece (1).

5. A securing device as set forth in claim 4,
characterized in that

the throughholes (12) of the support elements (10) are arranged at the ends of the legs (2) of the corner angle piece (1).

6. A securing device as set forth in one of the claims 1 - 5,
characterized in that

the legs (2) in the inner area of the corner angle piece (1) are connected to one another using one-piece attached bracing bars (8).

7. A securing device as set forth in claim 5,
characterized in that

the bracing bars (8) of the corner angle piece (1) have plane outer sides (9), which are even with the two strike sides (6) of the legs (2) of the corner angle piece (1) and are in one plane with said strike sides.

8. A securing device as set forth in claim 7,
characterized in that
the bracing bars (8) follow the support bars (4) with the strike sides (6).

9. A securing device as set forth in one of the claims 2 - 8,
characterized in that

an end region of the integrated support elements (10) is attached in a protruding manner to the inner sides (7) of the legs (2) of the corner angle piece (1) and exhibits a face side (11), which stands perpendicular to the diagonal plane of the inner corners between the support bars (3, 4) of the legs (2), where the insertion opening (13) of the respective throughhole (12) is located.

10. A securing device as set forth in one of the claims 2 - 9,
characterized in that

bars (16) protruding in a rectangular manner are arranged in a manner of springs at the strike sides (6) of the legs (2) of the corner angle piece (1) that are apart from each other, where the one longitudinal sides (17) of said bars (16) are even with the second strike sides (6) of the legs (2) of the corner angle piece (1) located in the same plane.

11. A securing device as set forth in claim 10,
characterized in that

the spring-like bars (16) taper off in a wedge shape toward their free longitudinal edge (18).

12. A securing device as set forth in one of the claims 1 - 11,
characterized in that

the corner angle piece (1) is a synthetic injection molded part.